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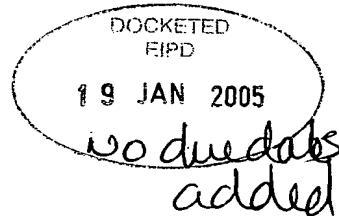
Applicant

MOTOROLA INC et al

The International Bureau transmits herewith the following documents:

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No. WO

copy of international application as republished by the International Bureau on 23 December 2004 (23.12.2004) under
No. WO 2004/086795
For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (as the case may be) on the front page of the attached document.



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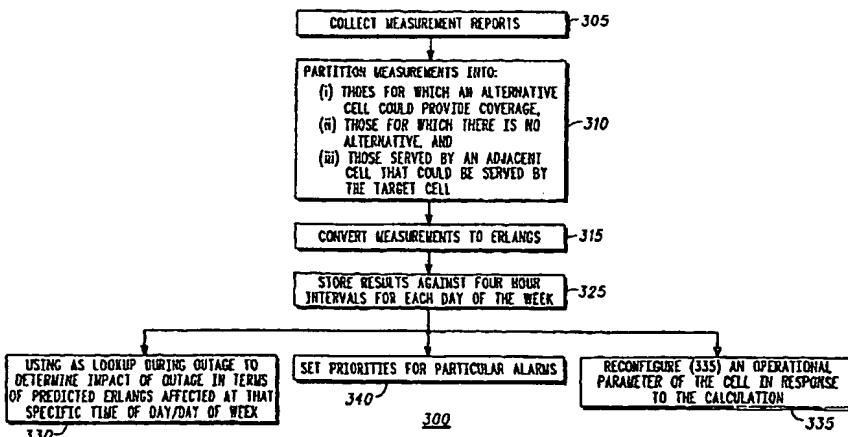
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DETERMINING A COVERAGE AREA IN A CELLULAR COMMUNICATION SYSTEM



it is possible to determine an amount of overlapping coverage area based on real network measurements rather than inaccurate predicted data that has been traditionally employed. Preferably, the measurements are converted to Erlangs to provide a coverage overlap based on subscriber traffic. A communication system (100) and a communication unit (146) are also provided.

WO 2004/086795 A3

(57) Abstract: A method (300) determines a per-cell coverage area in a cellular communication system that comprises multiple cells. The method comprises measuring (305) one or more parameters relating to one or more operations of a first cell in a cellular communication system. The method includes calculating (320) a degree of coverage overlap from a number of measurements, preferably by comparing a number of first measurements relating to a location that is uniquely served, with a number of second measurements that can be served by a plurality of serving communication units. In this manner, measurements rather than inaccurate

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/36

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H04W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 431 956 A (MOTOROLA INC) 12 June 1991 (1991-06-12) column 3, line 8 - line 29 column 4, line 56 - column 5, line 11 column 5, line 42 - column 7, line 46 ----- A GB 2 356 320 A (MOTOROLA LTD) 16 May 2001 (2001-05-16) page 2, line 32 - page 9, line 29; figures 6-8 ----- -/-	1,10-12
		1,10-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "Z" document member of the same patent family

Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ICHITSUBO S ET AL: "MICROCELL AUTOMATIC PROPAGATION MEASURING SYSTEM AND SERVICE-AREA EVALUATION" WIRELESS PERSONAL COMMUNICATIONS, KLUWER ACADEMIC PUBLISHERS, NL, vol. 7, no. 1, 1 May 1998 (1998-05-01), pages 41-49, XP000750751 ISSN: 0929-6212 paragraph 5 - page 49 -----	1,10-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date		Patent family member(s)		Publication date
EP 0431956	A	12-06-1991	US 5023900 A EP 0431956 A2 US 5095500 A		11-06-1991 12-06-1991 10-03-1992
GB 2356320	A	16-05-2001	NONE		

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